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November 19, 2002

Date

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

TERRY L. COLE, ET AL.

Serial No.: 09/901,329

Filed: JULY 9, 2001

For: SOFTWARE MODEM FOR

COMMUNICATION DATA USING

ENCRYPTED DATA AND

UNENCRYPTED CONTROL CODES

Group Art Unit: 2182

Examiner: UNKNOWN

Atty. Dkt. No.: 2000.053500/DIR

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Technology Center 2100

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R § 1.97(e)(1), Applicants hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication

from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the present statement, as evidenced by the date of the enclosed search report.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement; however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Assistant Commissioner is hereby authorized to deduct said fees from Advanced Micro Devices, Inc., Deposit Account No. 01-0365/TT4041.

Applicants respectfully request that the listed documents be made of record in the present case.

23720

PATENT TRADEMARK OFFICE

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Date: November 19, 2002

Respectfully submitted,

Morgan

Terry D. Morgan

Reg. No. 31,181

Attorney for Applicants

Docket No.: UTSD:1276USC1 Serial No.: 09/686,346 Inventor(s): Cobb et al. Title:"Protein Kinase Polypsptides and Methods of Use Therefor

TAO1 MPSTNRAGSLKDPEIAELFFKEDPEKLFTD**LREIGHGSFGAVYFA**RDVRTNEV**VAIKKM**SYSG**KQ**STEKW--QDIIKEV 77
TAO2. MPAGGRAGSLKDPDVAELFFKDDPEKLFSD**LREIGHGSFGAVYFA**RDVRNSEV**VAIKKM**SYSG**KQ**SNEKW--QDIIKEV 77
ceTOA -MAPAVLQKPGVIKDPSIAALFSNKDPEQD**LREIGHGSFGAVYFA**YDKKNEQT**VAIKKM**NFSG**KQ**AVEKW--NDILKEV 76
STE20 REERERKKQLYAKLNEICSDGDPSTKYAN**L**VKI**GQGASGCVYTA**YEIGTNVS**VAIKQM**NLE-**KQ**PKKELIINEILVMK 670

TAO1 KFLQRIKHPNSIEYKGCYLREHTAMLVMEYCLGSASDLLEVHKKPLQEVEIAAITHGALQGLAYLHSHTMIHRDIKAGN 156
TAO2 RFLQKLRHPNTIQYRGCYLREHTAMLVMEXCLGSASEFLEVHKKPLQEVEIAAVTHGALQGLAYLHSHNMIHRDVKAGN 156
cetoa SFLNTVVHPHIVDYKACFLKDTTCMLVMEXCIGSAADIVDVLKKGMREVEIAAICSQTLDALRYLHSLKRIHRDIKAGN 155
STE20 G---SKHPNIVNFIDSYVLKGDLMVIMEYMEGFSLTDV-VTHCILTEGQIGAVCRETLSGLEFLHSKGVLHRDIKSDN 744

LILSEPGLVKLGDFGSAS----IMAPANSFVGTPYNMAPEVILAMDEQQYDGKVDVWSLGITCIELADRKPPLFNMNA 230
LILSDHAIVKLADFGSAS----LVDPAQTFIGTPFFMAPEVILAMDEGHYTDRADIWSLGITCIELAERRPPLFSMNA 229
LILSMEGDIKLTDFGFCAQINELNLKRTTMVGTPYNMAPEVVSRKE---YGPKVDIWSLGIMIIEMIEGEPPYLNETP 819

STE20

ceTOA

TA01

ILLTEPGQVKLADFGSAS----MASPANSFVGTPYWMAPEVILAMDEGQYDGKVDVWSLGITCIELAERKPPLFNMNA

VIII

X XI
TAO1 MSALYHIAQNESPTLQSNEWSDYFRN-----FVDSCLQKIPQDRPTSE 273
TAO2 MSALYHIAQNESPALQSGHWSEYFRN-----FVDSCLQKIPQDRPTSE 273
CeTOA MSALYHIAQNDPPTLSPIDTSEQPEWSLEFVQFIDKCLRKPAEERWSAE 279
STE20 LRALYLIATNGTPKLKEPENLSS---SLKK--FLDWCLCVEPEDRASAT 863

-1G.2



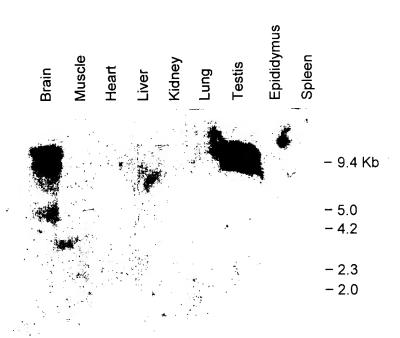


FIG.3A

Brain	Muscle	Heart	Liver	Kidney	Lung	Testis	Epididymus	Spleen
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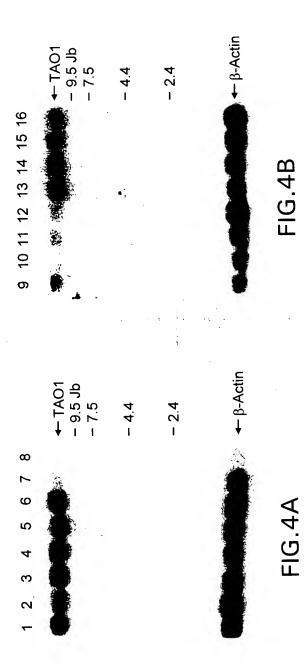
- 9.4 Kb

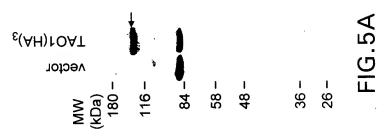
- 5.0 - 4.2

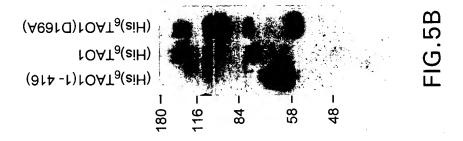
- 2.3

FIG.3B

SEP 0 8 2003



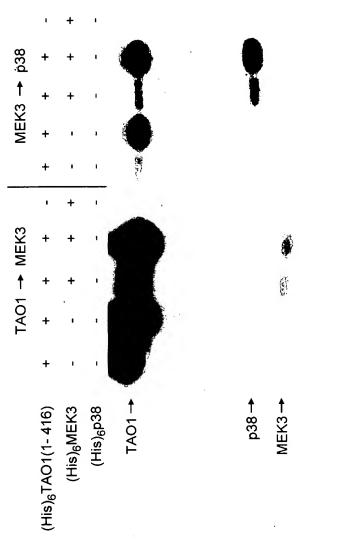


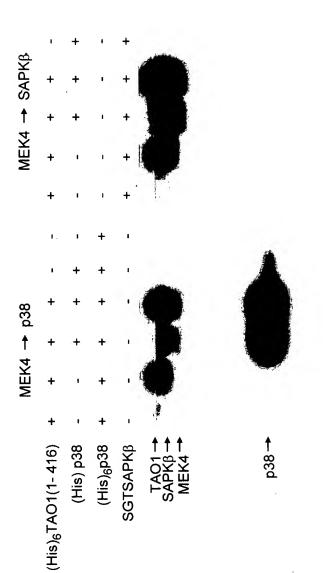














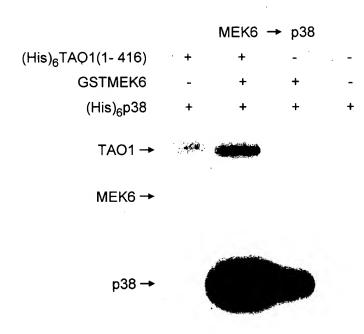


FIG.8



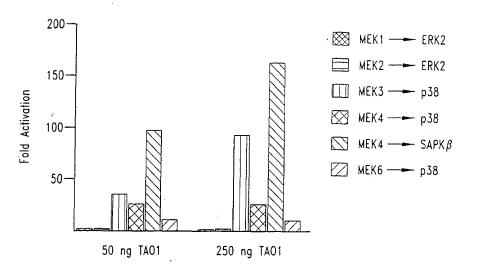


FIG.9

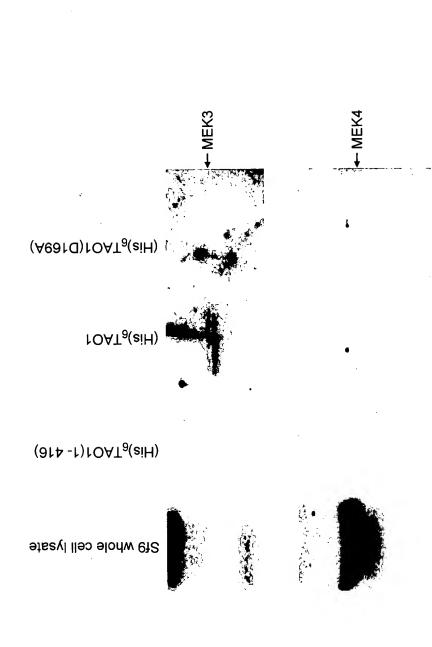


pCMV5TAO1(HA)₃ pCMV5mycMEK3





FIG.10







Query:	2341	AGGAATCACCTACTGGAGACTACACCAAAGAGTGAGCACAAAGCTGTTCTGAAAAGACTC	2400
Sbjct:	12	ACGANTCACCAGTTGGAAGTTACTCCAAAGAATGAGCACAAAACAATCTTAAAGACACTG	71
Query:	2401	AAGGAGGAACAGACTCGGAAGTTAGCCATCTTGGCTGAGCAGTATGATCATAGCATTAAT	2460
Sbjct:	72		131
Query:	2461	GAAATGCTCTCCACACAAGCTCTGCGTTTGGATGAAGCACAGGAAGCAGAATGCCAGGTT	2520
Sbjct:	132	GAAATGATGGCCTCTCANGCGTTACGGCTAÇATGAGGCTCAAGAAGCAGAATGCCAGGCC	191
Query:	2521	TTGAAGATGCAGCTACAGCAGGAACTGGAGCTGTTGAATGCATATCAGAGCAAAATCAAG	2580
Sbjct:	192	TTGAGGCTACAGCTCCAGCAGGAAATGGAGCTGCTCAACGCCTACCAGAGCAAAATCAAG	251
Query:	2581	ATGCAGGCTGAGGCCCAACATGATCGAGAGCTTCGAGAGCTGGAACAAAGGGTCTCCCTT	2640
Sbjct:	252	ATGCAAACAGAGGCACAACATGAACGTGAGCTCCAGAAGCTAGAGCAGAGAGTGTCTCTG	311
Query:	2641	CGGAGAGCACTCTTAGAACAGAAGATTGAAGAAGAGATGTTGGCTTTGCAGAATGAACGC	2700
Sbjct:	312	CGCAGAGCACACCTTGAGCAGAAGATTGAAGAGGAGCTGGCTG	371
Query:	2701	ACAGAACGAATACGTAGCCTGCTCGAGCGCCAGGCCAGAGAAATTGAAGCTTTT 2754	
Sbjct:	372	AGCGÁGAGÁÁTÁAAGÁACCTATTGGÁAAÁGGCÁAGAGCGÁGAGÁTTGGÁAACTTT 425	

FIG.12



Query:	964	GAACAAACATGTGCTTTAAAAGTTCCTCTGATGTAGGGCGATCTTGAGGGATTTTCTGGA	905
Sbjct:	79	GAACAAAGTCATGCCTTAATAGTTCTGCTGATGTTGGCCTTTCCTGAGGTATTTTCTGCA	138
Query:	904	GGCAAGAATCTACAAAGTTTCGAAAATAATCAGACCATTCATT	845
Sbjct:	139	AGCAGTAATCAACAAATCTCCTAAAAGGAGTCTGTCCATTCATT	198
Query:	844	ATTCATTTTGGGCTATGTGATATAAGGCACTCATTGCATTCATATTAAATAAA	785
Sbjct:	199	AGTCATTCTGGGCAATGTGATATAAGGCACTCATTGCATTCATGTTGAAAAAGGGGCCGCT	258
Query:	784	TCCTCTCGGCTAATTCAATACATGTTATTCCAAGAGACCATACATCAACTTTGCCATCAT	725
Sbjct:	259	TCCGTTCCGCCAATTCAATACAAGTGATGCCAAGTGACCAAATATCAACTTTCCCATCAT	318
Query:	724	ATTGTCCTTCATCCATGGCTAAAATTACTTCTGGGGCCATCCAATATGGTGTTCCCACAA	665
Sbjct:	319	ACTGTCCTTCATCCATAGCTAAGATCACCTCTGGAGCCATCCAGTAAGGTGTGCCCACGA	378
Query:	664	AAGAATTGGCAGGG 651	
Sbjct:	379	AGGAGTTGGCCAGG 392	

FIG.13



Query:	2/92	ACCATIGNTACTAAAACCTAATCTCATGCTTTCAGAGTCAAAAGCTTCAAAATCTCTGGCC	2/33
Sbjct:	90	ACCAAATTCCCAAATCCCATTCTGAGGCTCTCCATGTCAAAAGTTTCAATCTCTCGCTCT	149
Query:	. 2732	TGGCGCTCGAGCAGGCTACGTATTCGTTCTGTGCGTTCATTCTGCAAAGCCAACATCTCT	2673
Sbjct:	150	TGCCTTTCCAATAGGTTCTTTATTCTCTCGCTGCGTTCCTTCTGAAGGGCAGCCAGC	209
Query:	2672	TCTTCAATCTTCTGTTCTAAGAGTGCTCTCCGAAGGGAGACCCTTTGTTCCAGCTCTCGA	2613
Sbjct:	210		269
Query:	2612	AGCTCTCGATCATGTTGGGCCTCAGCCTGCATCTTGATTTTGCTCTGATATGCATTCAAC	2553
Sbjct:	270		329
Query:	2552	AGCTCCAGTTCCTGCTGTAGCTGCATCTTCAAAACCTGGCATTCTGCTTCCTGTGCTTCA	2493
Sbjct:	330	AGCTCCATTTCCTGCTGGAGCTGTAGCCTCAAGGCCTGGCATTCTGCTTCTTGAGCCTCA	389
Query:	2492	TCCAAACGCAGAGCTTGTGTGGAGAGCATTTCATTAATGCTATGATCATACTGCTCAGCC	2433
Sbjct:	390	TCTAGCCGTAACGCTTGAGAGGCCATCATTTCATTTATACTCTGTTCATACTGCTCTGCC	449
Query:	2432	AAGATGGCTA 2423	
Sbjct:	450	AAAATGGCAA 459	

FIG.14



Duery:	2248		AGAGTTTGAAGTCTAAAGAACTCCAAATAAAAAAGCAGTTTCAGGATACC	2307
Sbjct:	3	CAACAGCAGAA	MAACTTAAAAGGCCATGGAAATGCAAATTAAAAAACAGTTTCAGGACACT	62
)uery:	2308		AACCAGACAGTACAAAGCATTAAGGAATCACCTACTGGAGACTACACCA	2367
bjct:	63	TGCAAAGTACA	GACCAAACAGTATAAAGCACTCAAGAATCACCAGTTGGAAGTTACTCCA	122
luery:	2368		CAAAGCTGTTCTGAAAAGACTCAAGGAGGAACAGACTCGGAAGTTAGCC	2427
bjct:	123	AAGAATGAGCA	CAAAACAATCTTAAAGACACTGAAAGATGAGCAGACAAGAAAACTTGCC	182
uery:	2428	ATCTTGGCTG	2437	
bjct:	183	ATTTTGGCAG	192	

FIG.15A

 Query:
 2437
 GAGCAGTATGATCATAGCATTAATGAAATGCTCTCCACACAAGCTCTGCGTTTGGATGAA
 2496

 Sbjct:
 193
 GAGCAGTATGAACAGAGTATAAATGAAATGATGGCCTCTCAAGCGTTACGGCTAGATGAG
 252

 Query:
 2497
 GCACA
 2501
 ,

 Sbjct:
 253
 GCTCA
 257

FIG.15B

luery:	2087	ATGAATCCATGCAAGAACTGGAGTTTCGCCACCTCAACACTATTCAGAAGATGCGCTGTG	2146
'h ist	21	ACCACTCCCCCCACACCTACACTACACCTACACCTCCACCTTACACCAC	00
DJCL:	JI	ACGAGTCCCCCGAGAGCTAGAGTACAGGCAGCTGCACACGTTACAGAAGCTACGCATGG	90
luery:	2147	AGTTGATCAGACTGCAACATCAAACTGAGCTTACTAACCAGCTGGAATACAATAAGAGAA	2206
bjct:	91		150
luery:	2207	GGGAACGGGAACTAAGACGGAAACATGTCATGGAAGTTCGACAGCAGCCTAAGAGTTTGA	2266
bjct:	151	GAGAAAGAGAACTGCACAGAAAGCATGTCATGGAACTTCGGCAACAGCCAAAAAACTTAA	210
luery:		AGTCTAAAGAACTCCAAATAAAAAAGCAGTTTCAGGATA 2305	
bjct:	211	AGGCCATGGAANTGCAATTTAAAAAACAGTTCCAGGAAA 249	

FIG.16



Ouery: 3228 GTGCATATGGTATATTTTATTCGTCTTTGTAAAGCGTTATGTTTTGTGTTTACTAATTGG 3287

Sbjct: 31 GTGCATATGGTATATTTNATTCATTTTTGTAAAGCGTTCTGTTTTGTGTTTACTAATTGG 90

Query: 3288 GATGTCATAGTATTTGGCTGCCGGG 3312

Sbjct: 91 GATGTCATAGTACTTGGCTGCCGGG 115

FIG.17A

 ${\tt Query: 3200 CTCACTTGGGTACTACCGGGTGGAAGCTGTGCATATGGTATATTTT 3245}$

FIG.17B

Query: Sbjct:		GATGTATGGTCTCTTGGAATAACATGTATTGAATTAGCCGAGAGGAAGCCTCCTTTATT	
Query:	799		54
Sbjct:	74		29

FIG.18





FIG.19A

Query:	187	GATCCGGAAAAACTCTTCACAGATCTCAGAGAAATCGGCCATGGGAGCTTTTGGAGCAGTT	246
Sbjct:	119	GACCCAGAGGAACTCTTCACCAAGCTTGACCGCATTGGCAAAGGCTCATTTGGGGAGGTG	178
Query:	247	TATTTTGCACGAGATGTGCGTACTAATGAAGTGGTGGCCATCAAGAAAAT 296	
Sbjct:	179	TACAAGGGGATCGACAACCACACCAAGGAAGTGGTGGCCATCAAGATCAT 228	

FIG.19B

Query:	866	TCATTAGACTGTAGTGTAGGGGATTCATTTTGGGCTATGTGATATAAGGCACTCATTGCA	807
Sbjct:	100	TCAGGATTCTGGAGCTCTGGAGTTCCATTAGTGGCTATCAGATACAATGCCCTGAGTGGA	159
Query:	806	TTCATATTAAATAAAGGAGGCTTCCTCTCGGCTAATTCAATACATGTTATTCCAAGAGAC	747
Sbjct:	160	TTTTCATTAAGGTAAGGGGGTTCACCTTCCACCATTTCAATTGCCATAATTCCAAGAGAC	219
Query:		CATACATCAACTTT 733	-
Sbjct: -		CAGATATCAACTTT 233	

FIG.20